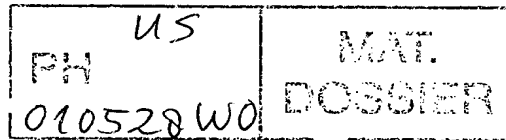


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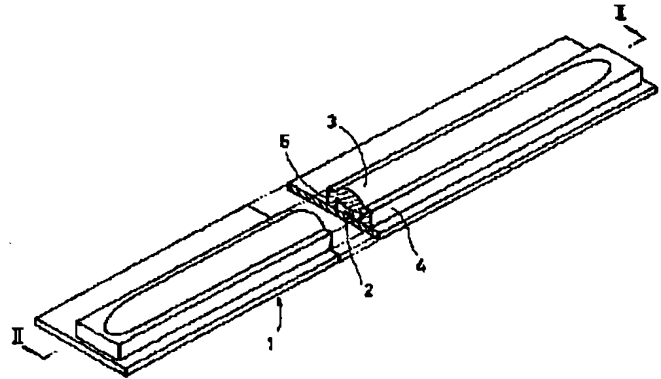
APPLICATION DATE : 28-04-92
APPLICATION NUMBER : 04110341

APPLICANT : ROHM CO LTD;

INVENTOR : MANO YASUHISA;

INT.CL. : H04N 1/04 H01L 33/00

TITLE : LINE TYPE LIGHT SOURCE DEVICE
EMPLOYING LIGHT EMITTING
SEMICONDUCTOR CHIP



ABSTRACT : PURPOSE: To omit a support member of a rod lens by forming integrally a side face plate whose lower side is in press contact with an insulation base to both left and right long side ridges of a rod lens body so as to be extended along the lengthwise direction of the rod lens body.

CONSTITUTION: A rod lens body 3 formed as a rod made of a transparent synthetic resin is arranged to an upper part of an array of light emitting semiconductor chips 2 so as to be extended in parallel with the array. In this case, side face plates 4, 5 whose lower side is in press contact with an upper face of an insulation base 1 are formed integrally to both left and right long side ridges of the rod lens 3 so that both side face plates are extended along the lengthwise direction of the rod lens 3 thereby allowing the rod lens 3 to be supported directly by the insulation base 1. Furthermore, the parts of the light emitting semiconductor chips 2 are enclosed with both the side face plates 4, 5 formed integrally to the rod lens 3.

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